

CLAIMS:

What is claimed is:

1. A wireless communication device for communicating information from a bidirectional high speed data cable modem via an Ethernet connection using a first radio transceiver at a first location and communicating with a second radio transceiver at a customer's premises comprising:
 - a. a housing containing a bidirectional high speed data modem operably connected to a first radio transceiver, a first radio processor card, and a switching power supply;
 - 10 b. a splitter adapted to engage the coaxial cable and split the RF spectrum signal from the AC power; and
 - c. at least one heating and cooling device adapted to heat and cool contents of the housing.
- 15 2. The device of claim 1, wherein the bidirectional high speed data modem communicates with a Wide Area network ("WAN") connection.
3. The device of claim 1, wherein the bidirectional high speed data modem communicates with a wireless Local Area network ("LAN") connection.
4. The device of claim 1, wherein the bidirectional high speed data modem/router is a data over cable system interface specification (DOCSIS) modem/router.
- 20 5. The device of claim 4, wherein the DOCSIS modem/router has a functionality consisting of automatic registration, encryption, and automatic assignment of IP addresses.
6. The device of claim 1, wherein the housing is formed of a material comprising molded plastic, a metal, a composite material, weatherproof sealed coated laminate or combinations thereof.

7. The device of claim 6, wherein the housing further comprises a second bidirectional high speed data modem disposed in parallel communication with the bidirectional high speed data modem.

8. The device of claim 1, wherein housing further comprises a detector for detecting a first
5 location of the client device

9. The system of claim 1, wherein the modem is a router.